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OIP Frage 1 of 14 APPLICATION NO. ATTY. DOCKET NO. 0942.2800008/RWE/RCM 09/229/173 FORM PTO-1449 AUG 2 8 2000 APPLICANT Deb K. CHATTERJEE FIRST_SUPPLEMENTAL_INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP January 13, 1999 1652 U.S. PATENT DOCUMENTS **EXAMINER** INITIAL DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS | FILING DATE AΑ 5 01/14/1987 AB1 4,795,699 01/03/1989 Tabor et al. 435 435 194 06/17/1987 AC1 4,889,818 12/26/1989 Gelfand et al. AD1 5,047,342 09/10/1991 Chatterjee, D.K. 435 194 08/10/1989 194 05/07/1996 435 04/18/1994 AE1 អ 1531 Blumentals et al. 194 5,624,833 04/29/1997 435 06/07/1995 AF1 Gelfand et al. 435 6 AG1 5,614,365 03/25/1997 Tabor et al. 11/10/1994 435 6 05/31/1996 06/20/2000 AH1 6,077,664 Slater et al. ΑI ΑJ AK FOREIGN PATENT DOCUMENTS EXAMINER CLASS TRANSLATION DOCUMENT NUMBER DATE COUNTRY SUB-CLASS INITIAL Yes 03/05/92 WIPO AL1 WO 92/03556 No Yes AM1 WO 92/06200 04/16/92 WIPO No Yes AN1 WO 92/06202 04/16/92 WIPO No Yes WO 96/38568 12/5/96 WIPO No Yes EP 0 655 506 05/31/95 Europe No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Bergquist, P.L. $et\ al.$, "Genetics and Potential Biotechnological Applications of Thermophilic and AR 1 Extremely Thermophilic Microorganisms," Biotech. Genet. Eng. Rev. 5:199-244 (1987). Bernad, A. et al., "A Conserved 3:-5: Exonuclease Active Site in Prokaryotic and Eukaryotic DNA AS 1 Polymerases," Cell 59:219-228 (1989). Braithwaite, D.K. et al., "Compilation, alignment, and phylogenetic relationships of DNA 1 polymerases," Nuc. Acids Res. 21:787-802 (1993). EXAMINER DATE CONSIDERED EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through

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RY	AS	<u>2</u>	Darzins, A. and Chakrabarty, A.M. "Cloning of Genes Controlling Alginate Biosynthesis from a Mucoid Cystic Fibrosis Isolate of <i>Pseudomonas aeruginosa</i> ," <i>J. Bacteriol. 159</i> :9-18 (1984).						
-		2	Derbyshire, V.	. et al., "The 3	'-5' exonuclease of DNA polymid at the active site to the	merase I o	f Esche	richia coli	:
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FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Deb K. CHATTERJEE

FILING DATE January 13, 1999 GROUP 1652

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RH	AS	<u>5</u>	Kaboev, O.K. Bacillus ste	aboev, O.K. et al., "Purification and Properties of Deoxyribonucleic Acid Polymerase from acillus stearothermophilus," J. Bacteriol. 145:21-26 (1981).							
RA	AT	<u>5</u>	Kaledin, A.S Bacterium <i>Th</i>	. et al., "Isolat ermus aquaticus Y	tion and Properties of DNA Pol T1," <i>Biokhimiya 45:</i> 644-651 (19	ymerase 780).	from E	xtremely Th	ermophilic		
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APPLICATION NO. ATTY. DOCKET NO. 0942.2800008/RWE/RCM 09/229,173 AUG Z 8 2000 FORM PTO-1449 APPL I CANT Deb K. CHATTERJEE FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT **GROUP** FILING DATE 1652 January 13, 1999 PATENT DOCUMENTS u.s. EXAMINER FILING DATE SUB-CLASS CLASS NAME DOCUMENT NUMBER DATE INITIAL ΔΔ ΑВ AC AD ΑE ΑF AG ΑH ΑI ΑJ ΑK FOREIGN PATENT DOCUMENTS **EXAMINER** TRANSLATION CLASS SUB-CLASS COUNTRY DOCUMENT NUMBER DATE INITIAL Yes No AL Yes No AM Yes No Yes No AO-Yes No ΔP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Freemont, P.S. et al., "A Domain of the Klenow Fragment of Escherichia coli DNA Polymerase I Has Polymerase but No Exonuclease Activity," Proteins 1(1):66-73 (1986). AR <u>12</u> Gerard, G.F. $et\ al.$, "Poly(2'-0-methylcytidylate)*Oligodeoxyguanylate as a Template for the Ribonucleic Acid Directed Deoxyribonucleic Acid Polymerase in Ribonucleic Acid Tumor Virus Particles and a Specific Probe for the Ribonucleic Acid Directed Enzyme in Transformed Murine <u>12</u> Cells," Biochemistry 13(8):1632-1641 (1974). Joyce, C.M. et al., "Nucleotide Sequence of the Escherichia coli polA Gene and Primary Structure of DNA Polymerase I," J. Biol. Chem. 257(4):1958-1964 (1982). <u>12</u> ΑT DATE CONSIDERED EXAMINER EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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ATTY. DOCKET NO. APPLICATION Mo. 0942.2800008/RWE/RCM AUG 2 8 2000 09/229,173 FORM PTO-1449 **APPLICANT** FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT Deb K. CHATTERJEE FILING DATE BADENA GROUP January 13, 1999 1652 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS FILING DATE AΑ ΑВ AC ΑD ΑE ΑF AG ΑН ΑI AJ ΑK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION AL Yes No AM Yes No AN Yes No ΑO Yes -No ΑP Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Joyce, C.M. and Steitz, T.A., "Function and Structure Relationships in DNA Polymerases," Annu. <u>13</u> Rev. Biochem. 63:777-822 (July 1994). Modak, M.J. and Marcus, S.L., "Purification and Properties of Rauscher Leukemia Virus DNA Polymerase and Selective Inhibition of Mammalian Viral Reverse Transcriptase by Inorganic AS <u>13</u> Phosphate," J. Biol. Chem. 252(1):11-19 (1977). Spadari, S. and Weissbach, A., "HeLa Cell R-Deoxyribonucleic Acid Polymerases. Separation and Characterization of Two Enzymatic Activities," J. Biol. Chem. 249(18):5809-5815 (1974). ΑТ <u>13</u> EXAMINER

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